ZOETTT ZE969680

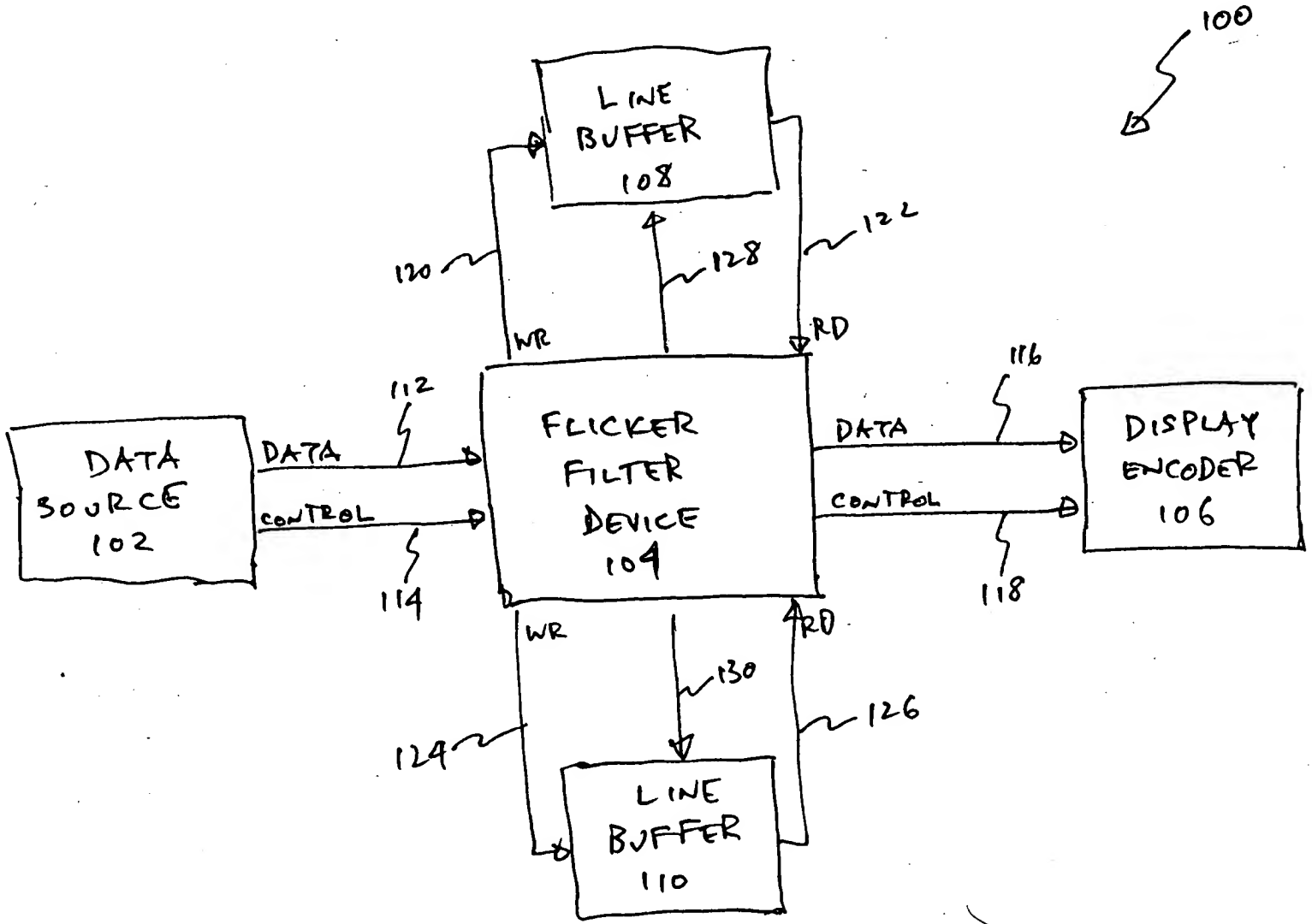

FIGURE 1

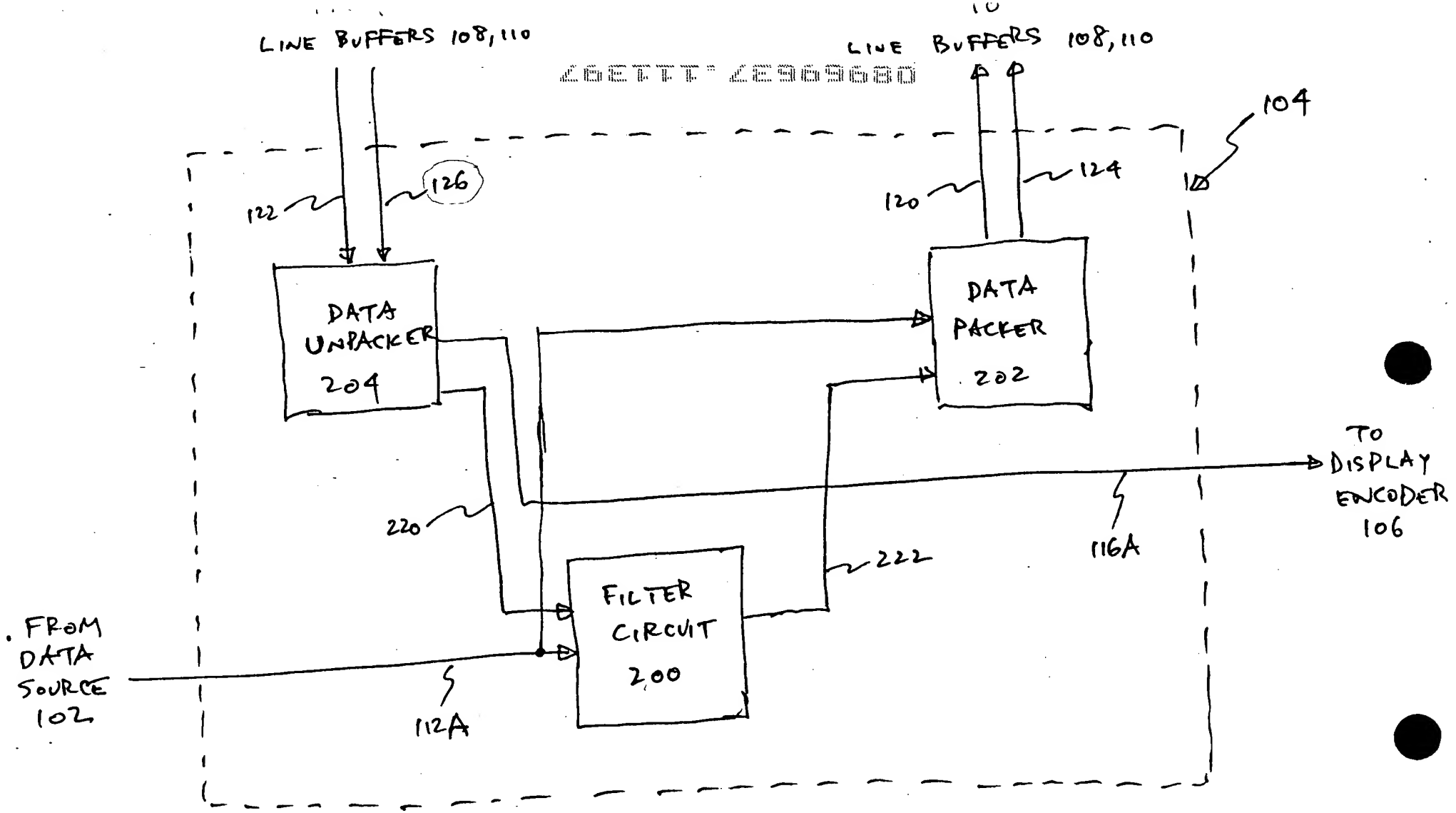
LINE BUFFERS 108, 110
LINE BUFFERS 108, 110
104
122
126
120
124
DATA UNPACKER 204
DATA PACKER 202
TO DISPLAY ENCODER 106
220
222
116A
FILTER CIRCUIT 200
FROM DATA SOURCE 102
112A

FIGURE 2

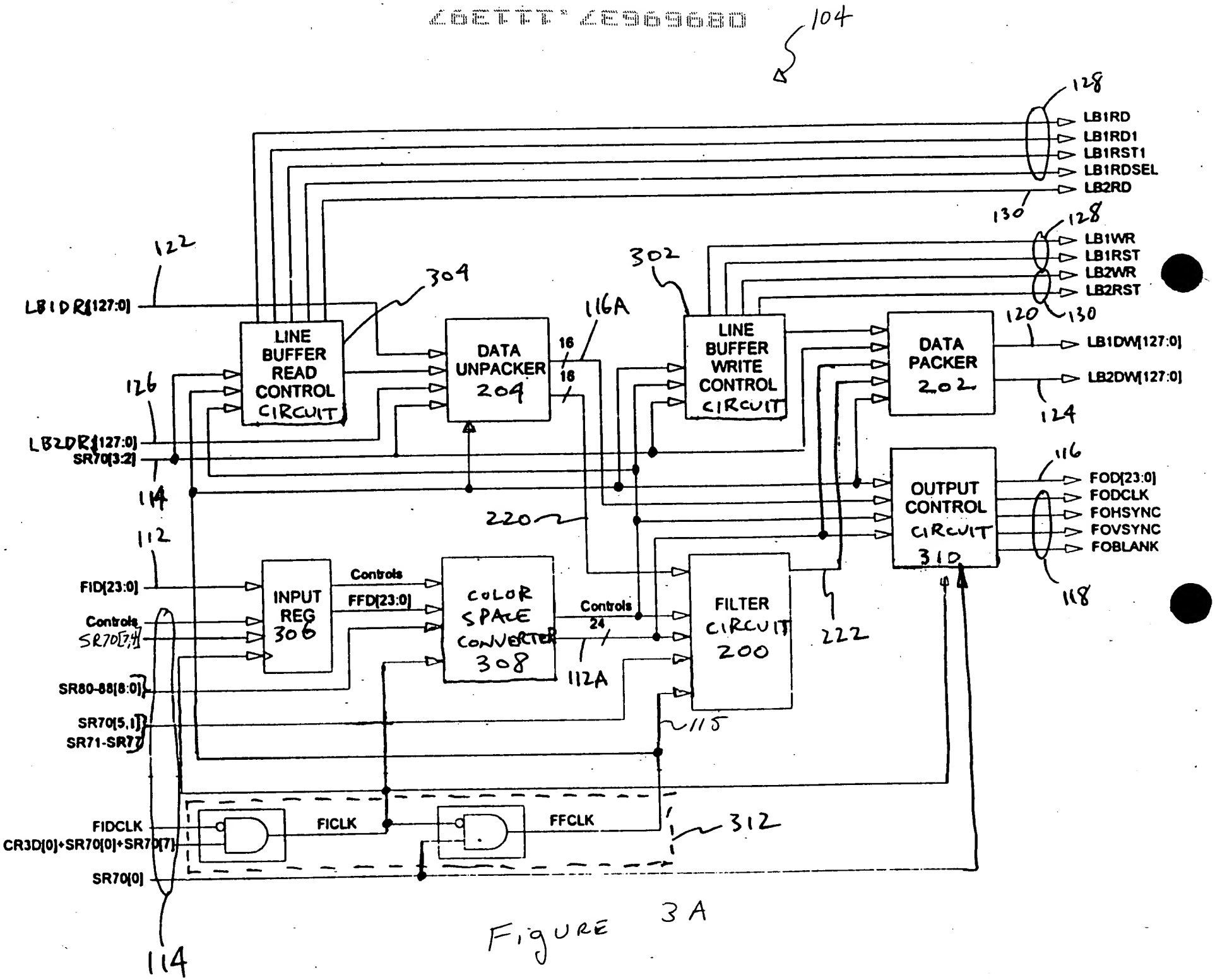
104
128
LB1RD
LB1RD1
LB1RST1
LB1RDSEL
LB2RD
130
128
LB1WR
LB1RST
LB2WR
LB2RST
130
122
LB1DR[127:0]
304
302
116A
LINE BUFFER READ CONTROL CIRCUIT
DATA UNPACKER 204
16
16
LINE BUFFER WRITE CONTROL CIRCUIT
DATA PACKER 202
120
LB1DW[127:0]
LB2DW[127:0]
124
126
LB2DR[127:0]
SR70[3:2]
114
220
116
OUTPUT CONTROL CIRCUIT 310
FOD[23:0]
FODCLK
FOHSYNC
FOVSYNC
FOBLANK
118
112
FID[23:0]
Controls
SR70[7,4]
INPUT REG 306
Controls
FFD[23:0]
COLOR SPACE CONVERTER 308
Controls
24
112A
FILTER CIRCUIT 200
222
SR80-88[8:0]
SR70[5,1]
SR71-SR77
115
FIDCLK
CR3D[0]+SR70[0]+SR70[7]
FICLK
FFCLK
312
SR70[0]
114

Figure 3A

CERTIFICATE

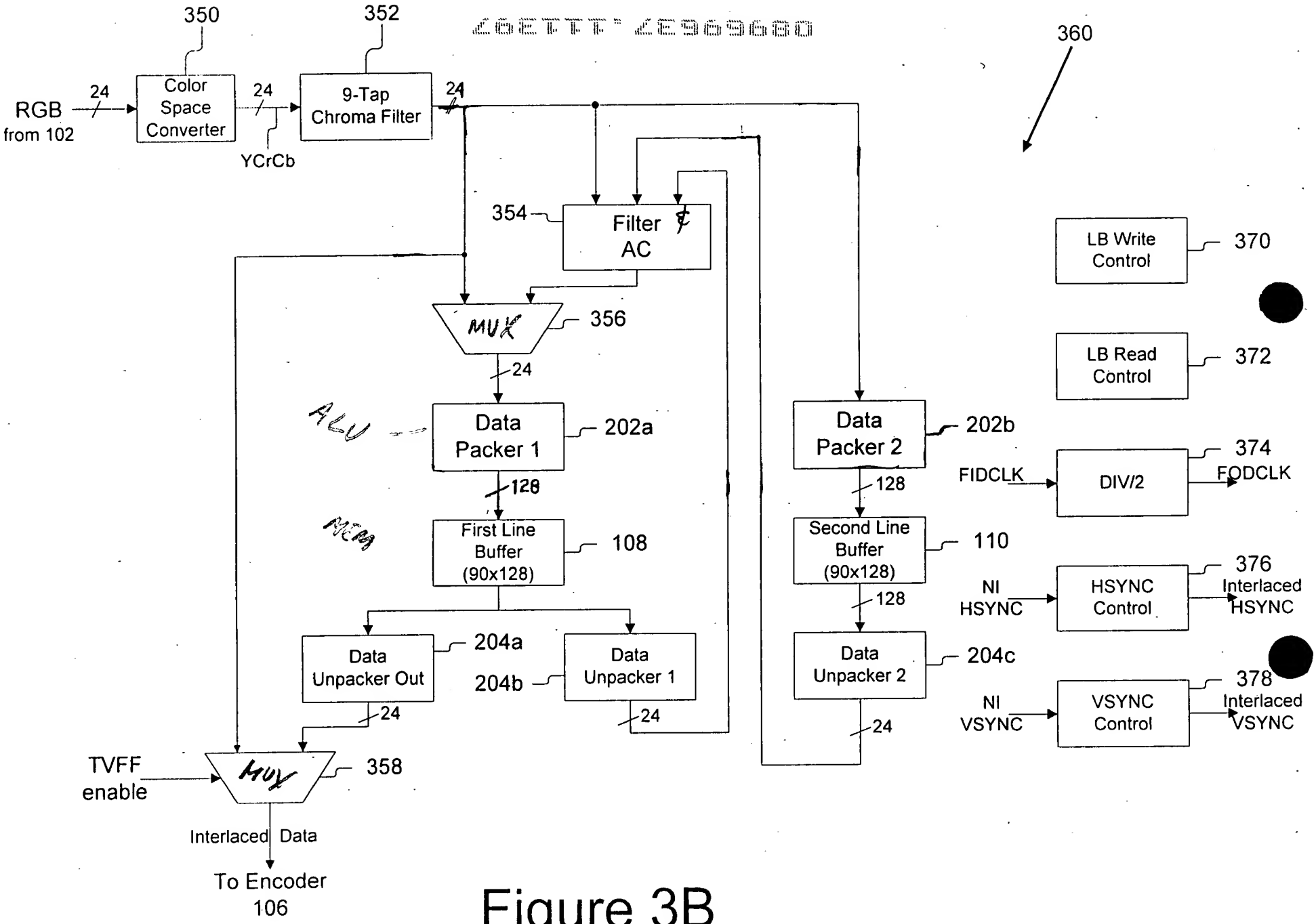

Figure 3B

ZOETTT ZE969680

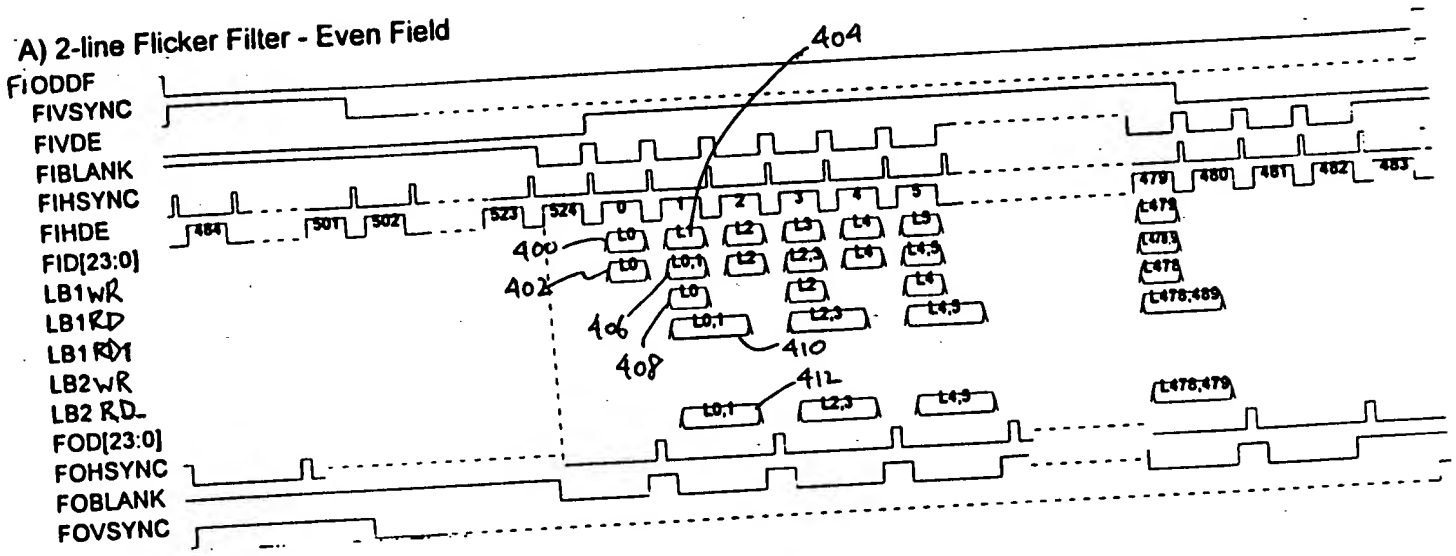

FIGURE 4A

ZOETTZE9696BD

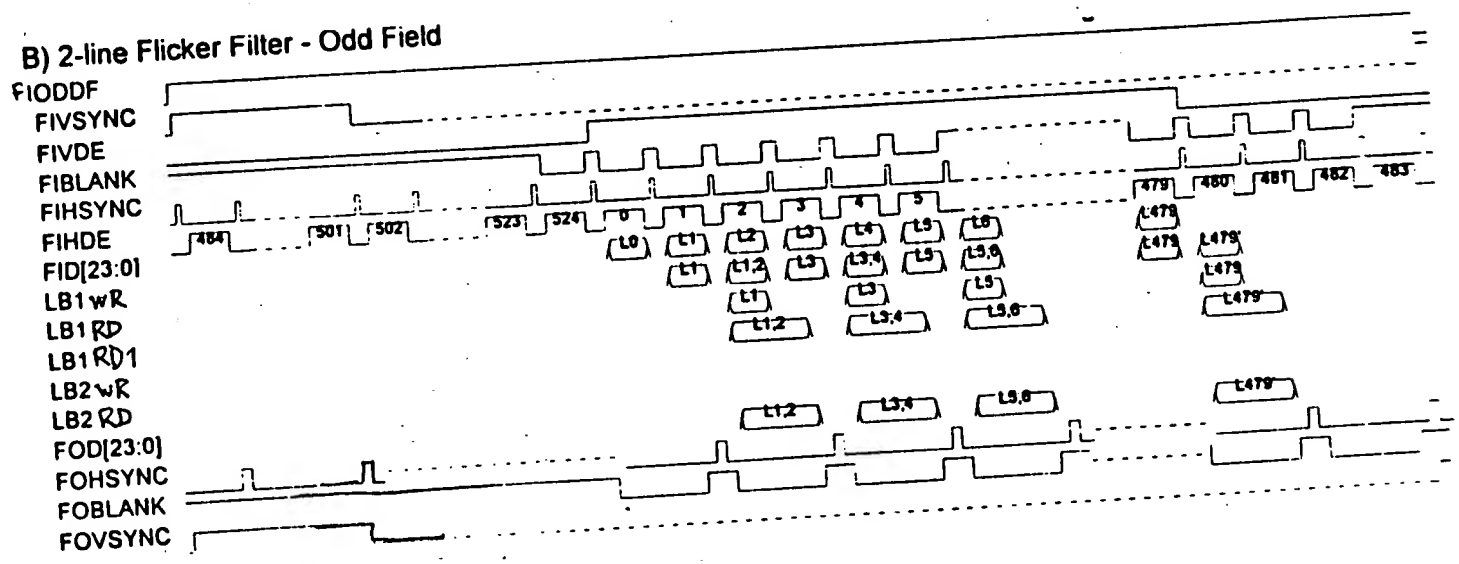

FIGURE 4B

6615777 6596680

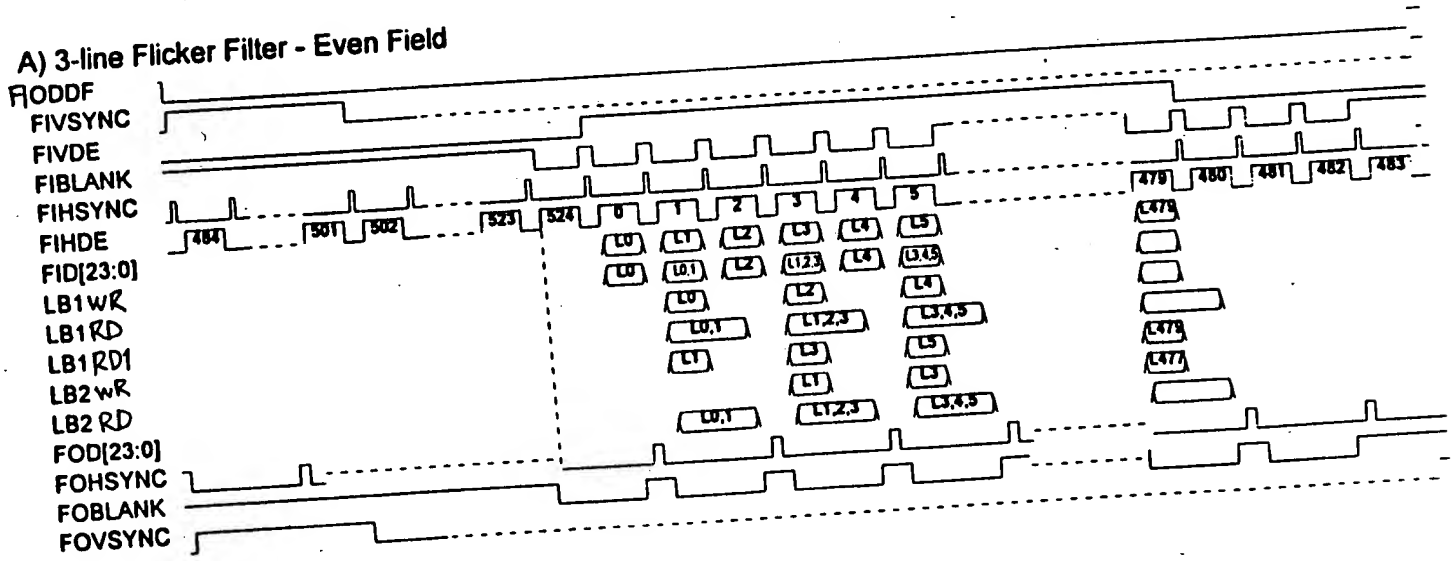

FIGURE 5A

CDETTE ZE969680

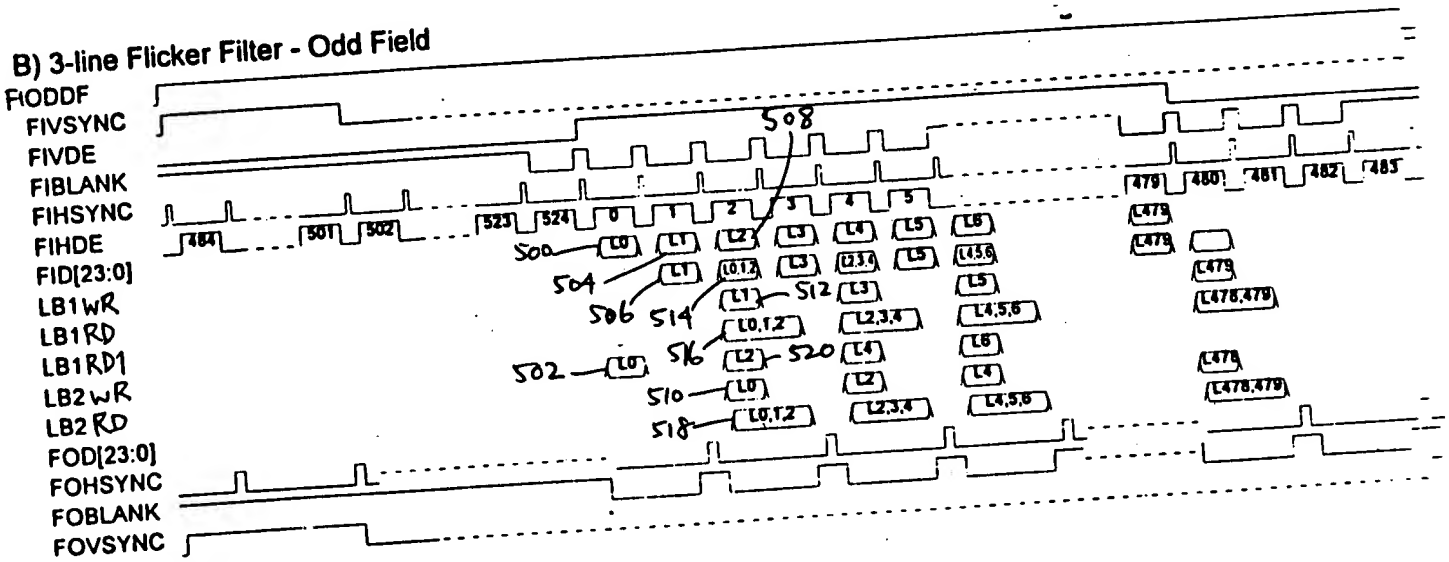

FIGURE 5B

EP 0 677 822 A2

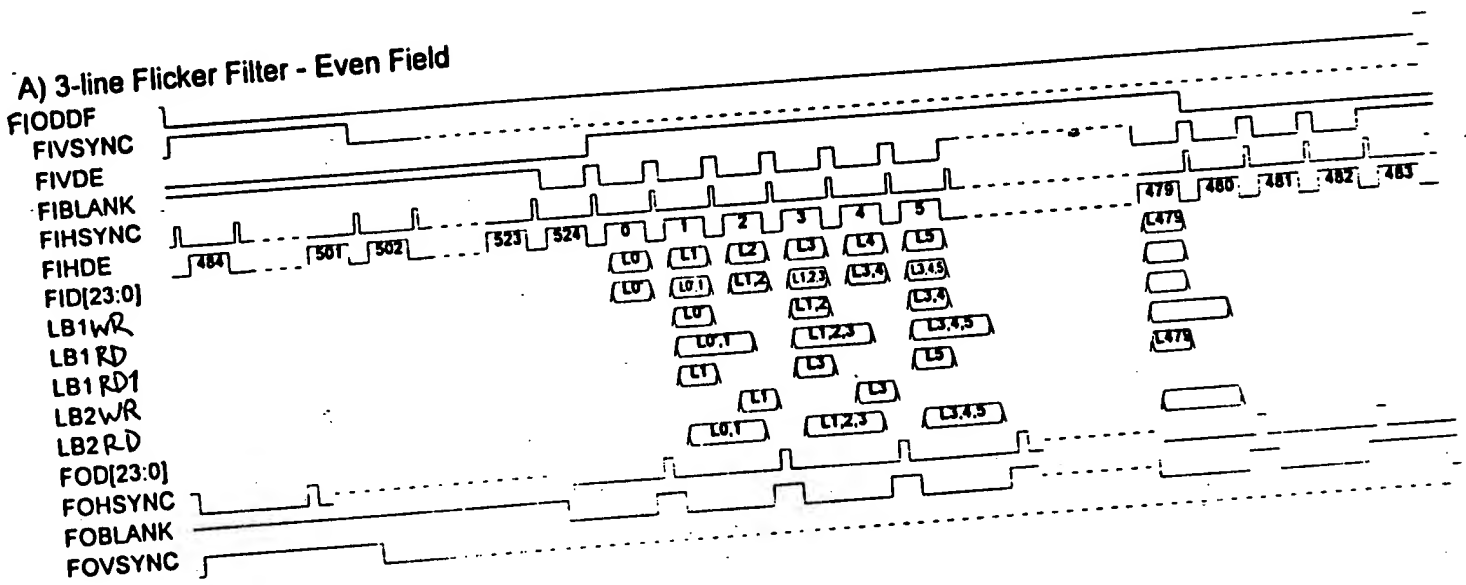

FIGURE 6A

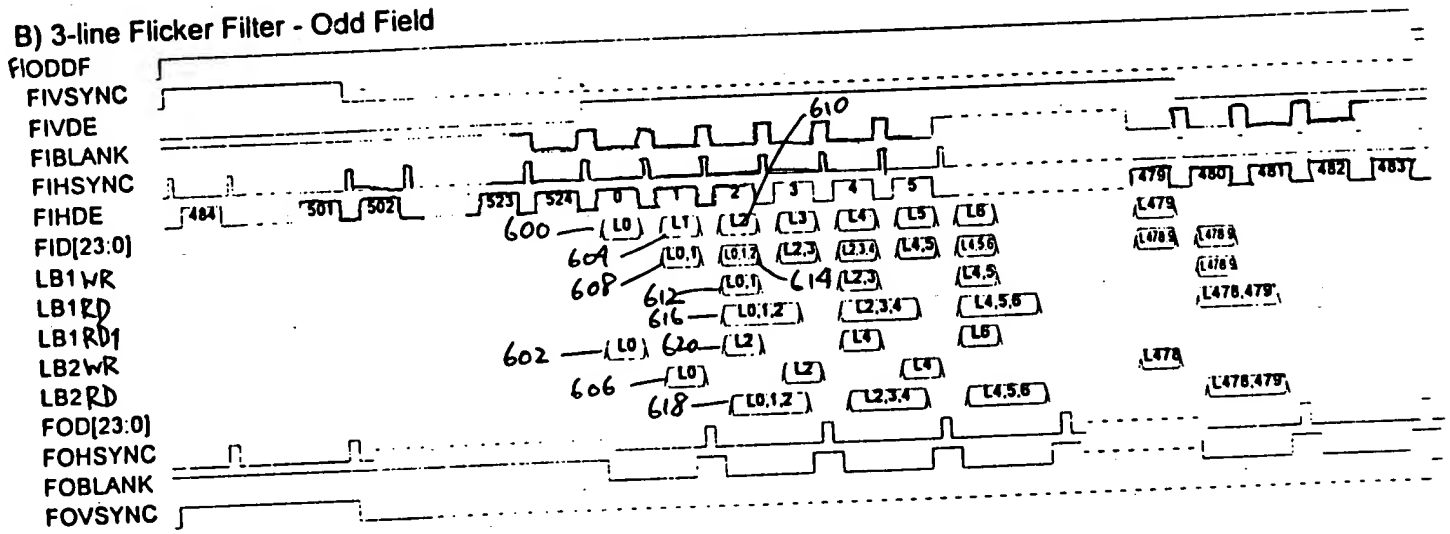
B) 3-line Flicker Filter - Odd Field
FIODDF
FIVSYNC
FIVDE
FIBLANK
FIHSYNC
FIHDE
FID[23:0]
LB1WR
LB1RD
LB1RD1
LB2WR
LB2RD
FOD[23:0]
FOHSYNC
FOBLANK
FOVSYNC
484
501
502
523
524
0
1
2
3
4
5
600
602
604
606
608
610
612
614
616
618
620
L0
L1
L2
L3
L4
L5
L6
L0,1
L0:1,2
L2,3
L2:3,4
L4,5
L4:5,6
L0:1
L2:3
L478
L479
L480
L481
L482
L483
L478,479

FIGURE 6B

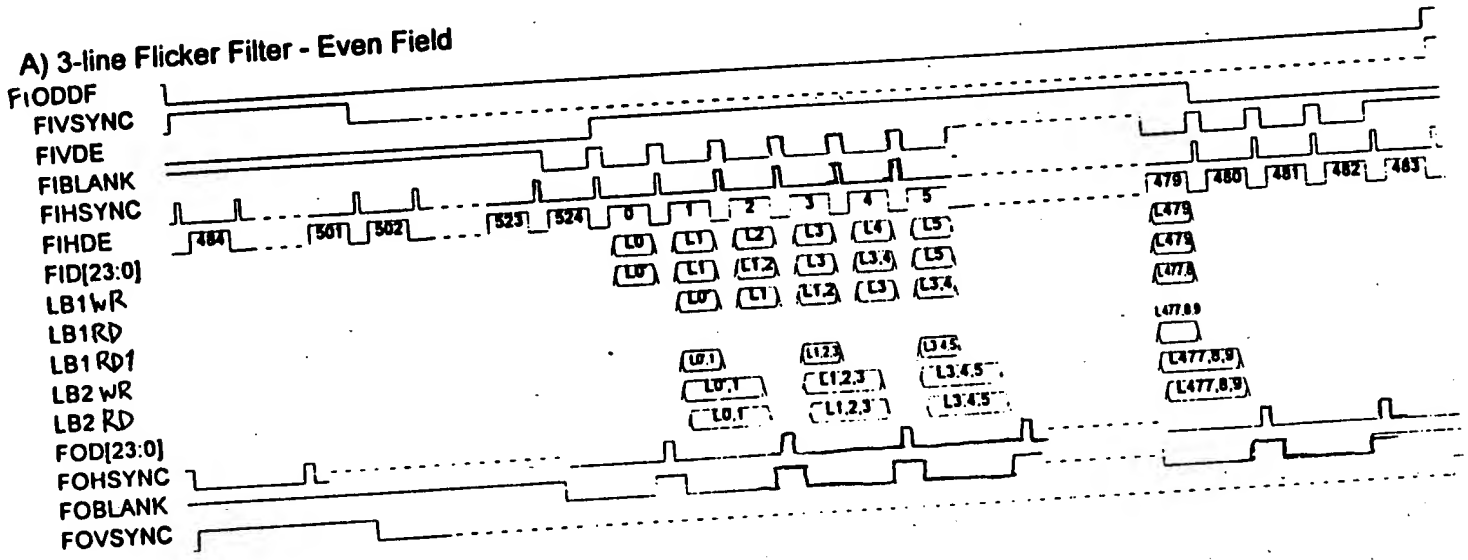
A) 3-line Flicker Filter - Even Field
FIODDF
FIVSYNC
FIVDE
FIBLANK
FIHSYNC
FIHDE
FID[23:0]
LB1WR
LB1RD
LB1RD1
LB2 WR
LB2 RD
FOD[23:0]
FOHSYNC
FOBLANK
FOVSYNC

FIGURE 7A

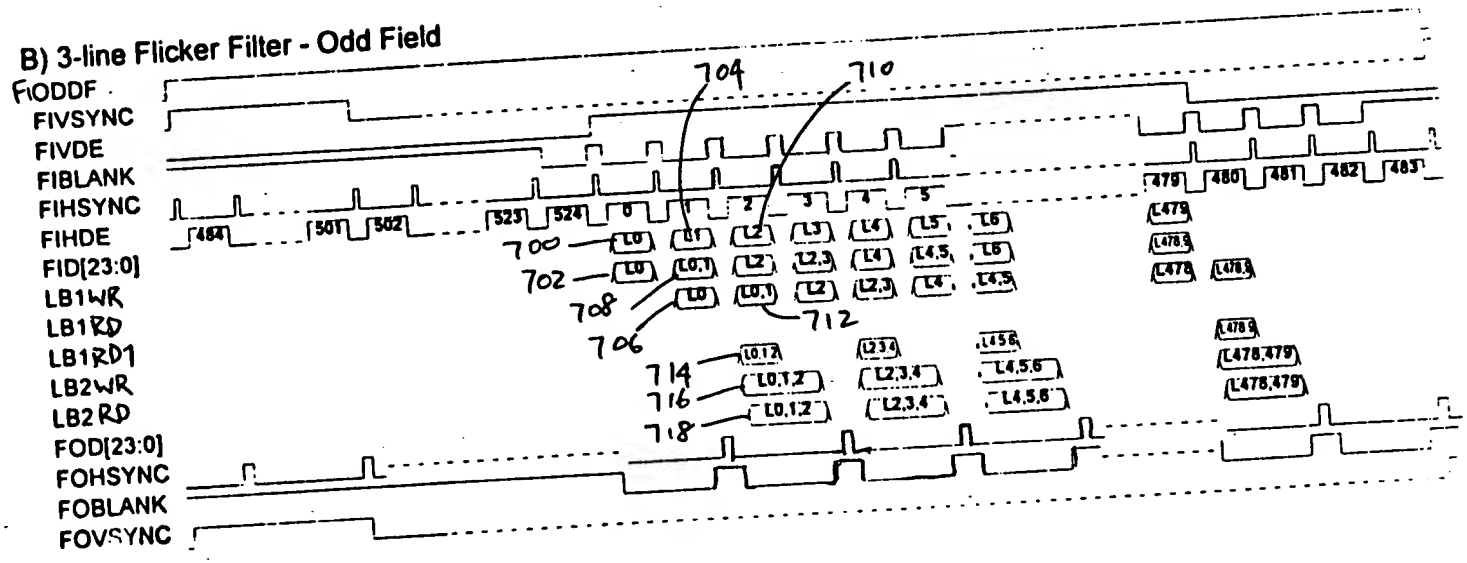
B) 3-line Flicker Filter - Odd Field
FIODDF
FIVSYNC
FIVDE
FIBLANK
FIHSYNC
FIHDE
FID[23:0]
LB1WR
LB1RD
LB1RD1
LB2WR
LB2RD
FOD[23:0]
FOHSYNC
FOBLANK
FOVSYNC
704
710
700
702
708
706
712
714
716
718

FIGURE 7B

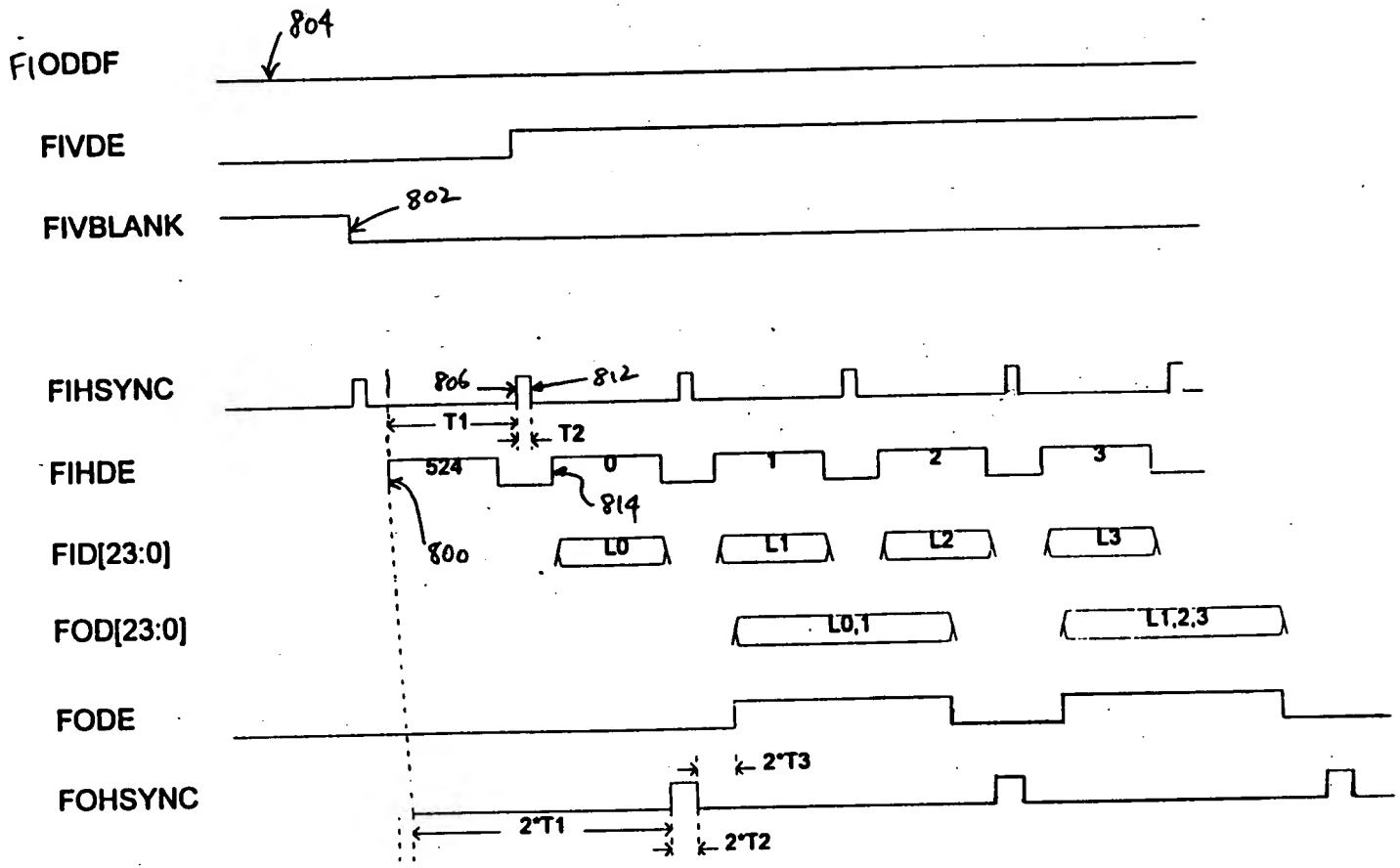
804
FIODDF
FIVDE
802
FIVBLANK
FIHSYNC
806
812
T1
T2
FIHDE
524
0
1
2
3
814
800
FID[23:0]
L0
L1
L2
L3
FOD[23:0]
L0,1
L1,2,3
FODE
2*T3
FOHSYNC
2*T1
2*T2

FIGURE 8